

# M 5.4, Mindanao, Philippines

Origin Time: 2023-12-02 20:39:30 UTC (Sun 04:39:30 local)  
Location: 8.2576° N 126.7402° E Depth: 64.9 km

**PAGER**  
**Version 5**

Created: 1 day, 9 hours after earthquake

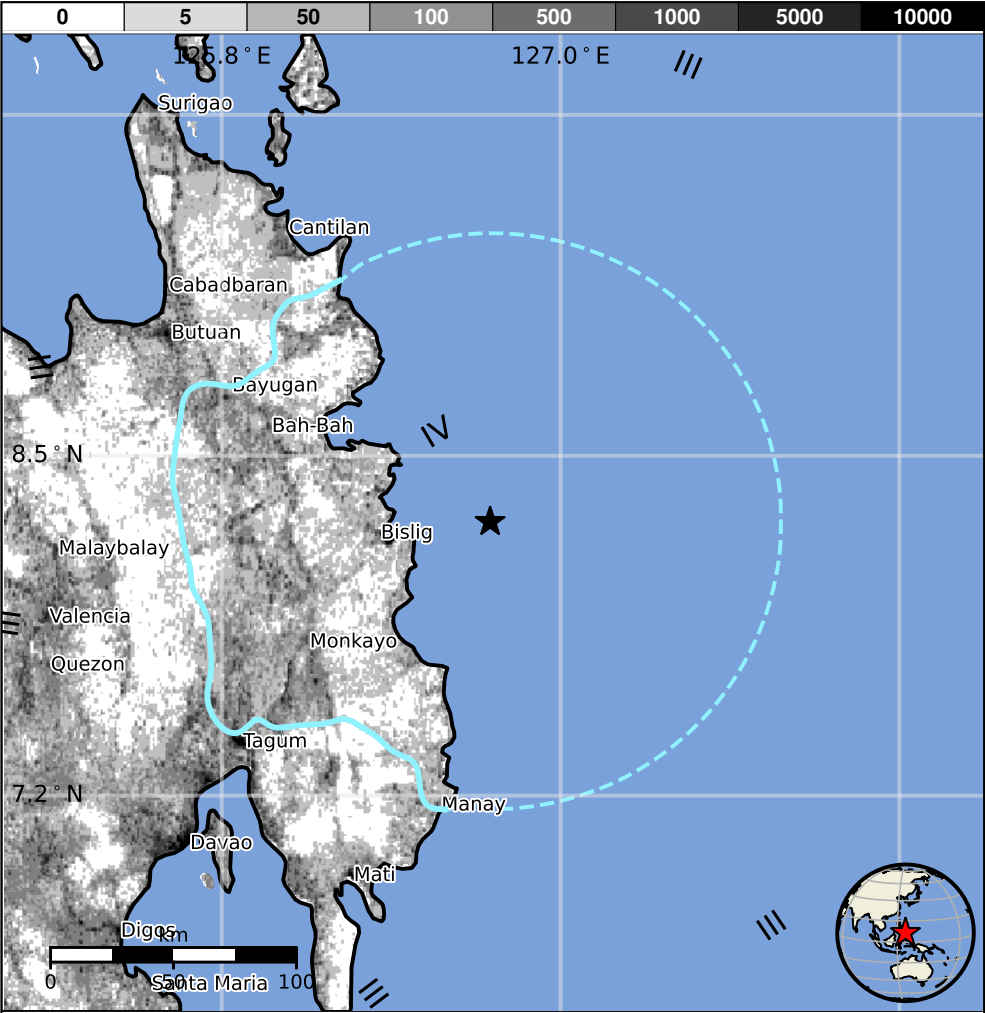


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	7,235k*	2,797k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1987-05-23	141	5.7	VII(70k)	1
1990-02-08	286	6.7	VIII(96k)	1
2002-03-05	373	7.5	VIII(12k)	15

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Hinatuan	10k
IV	Tidman	3k
IV	<b>Bislig</b>	<b>68k</b>
IV	Bigaan	3k
IV	Lingig	6k
IV	Barcelona	4k
IV	<b>Butuan</b>	<b>310k</b>
IV	Magugpo	233k
III	Libertad	250k
III	<b>Digos</b>	<b>116k</b>
III	<b>Davao</b>	<b>1,213k</b>